CLAIMS

1. An electroconductive resin composition, comprising at least:

a multi-component polymer-type resin binder (A) comprising a dispersed phase and a continuous phase, and having a number-average particle size of dispersed phase of 0.001-2 μm , and

an electroconductive material (B) in the form of powder and/or fiber.

2. An electroconductive resin composition according to claim 1, wherein the component (A) constitutes 40-2 mass%, and the component (B) constitutes 60-98 are mass%, based on the total amount of (component (A) + component (B)) of 100 mass%.

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- 3. An electroconductive resin composition according to claim 1 or 2, wherein the number-average particle size of the dispersed phase in the component (A) is smaller than the number-average particle size or number-average fiber diameter of the component (B).
- 4. An electroconductive resin composition according to any of claims 1-3, wherein at least one component contained in the component (A) is an elastomer component.
- 5. An electroconductive resin composition
 25 according to any of claims 1-4, wherein the component (A)
 comprises 1-99 mass% of a thermoplastic resin, and 99-1
 mass% of an elastomer.
- 6. An electroconductive resin composition
 according to any of claims 1-5, wherein the component (A)
 comprises a composition of a polyolefin, and one or
 plural kinds selected from: hydrogenated styrenebutadiene rubber, styrene-ethylene-butylene-styrene block
 copolymer, styrene-ethylene-propylene-styrene block
 copolymer, crystalline olefin-ethylene butylene
 crystalline olefin block copolymer, styrene-ethylenebutylene-crystalline olefin block copolymer, styrene-isostyrene block copolymer, styrene-butadiene-styrene block

copolymer.

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- 7. An electroconductive resin composition according to any of claims 1-5, wherein the component (A) comprises at least a polyvinylidene fluoride and a soft acrylic acid resin.
- 8. An electroconductive resin composition according to any of claims 1-7, wherein the component (B) comprises at least one kind selected from: metallic materials, carbonaceous materials, electroconductive polymers, and fillers coated with a metallic material, or metallic oxides.
- 9. An electroconductive resin composition according to any of claims 1-8, wherein the component (B) is a carbonaceous material including boron in an amount of 0.05-5 mass%.
- 10. An electroconductive resin composition according to any of claims 1-9, wherein the component (B) comprises 0.1-50 mass% of vapor-phase grown carbon fiber and/or carbon nanotube, based on the mass of the entire component (B) including the vapor-phase grown carbon fiber and/or carbon nanotube per se.
- 11. An electroconductive resin composition according to any of claims 1-10, wherein the vapor-phase grown carbon fiber or carbon nanotube contains boron in an amount of 0.05-5 mass%.
- 12. An electroconductive molded product, which has been obtained by molding an electroconductive resin composition according to any of claims 1-11.
- 13. An electroconductive molded product according to claim 12, which has a volume resistivity of 0.1 Ω cm or less, a contact resistance of 0.1 Ω cm² or less, and a penetration resistance of 0.1 Ω cm or less.
 - 14. An electroconductive molded product according to claim 12 or 13, which has a heat conductivity of 1.0 $W/m \cdot K$ or more.
 - 15. A fuel cell separator, which has been obtained

by using a molded product according to any of claims 12-14.

16. A fuel cell separator according to claim 15, which has four or more through-holes, has a groove having a thickness of the thinnest portion thereof of 0.1-2 mm, and a depth of 0.1-1.5 mm, and has a volume resistivity of 0.1 Ω cm or less, a contact resistance 0.1 Ω cm² or less, a heat conductivity of 1.0 W/m·K or more, and a gas permeability of 1×10^{-6} cm/sec or less.

5